## Message Text

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**ORIGIN HEW-06** 

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**UNCLAS STATE 148707** 

E.O. 11652: N/A

TAGS: TBIO, OSCI, IS

SUBJECT: PROPOSED RESEARCH CONTRACT: STUDY OF THYROID TUMOR RISK FROM SCALP X-IRRADIATION DURING CHILDHOOD

- 1. FOOD AND DRUG ADMINISTRATION IS CONSIDERING SUBJECT RESEARCH CONTRACT WITH CHAIM SHEBA MEDICAL CENTER, TEL HOSHOMER, ISRAEL.
- 2. PURPOSE OF PROJECT IS TO INVESTIGATE FURTHER AN UNEXPECTED AND IMPORTANT NEW FINDING CONCERNING RADIATION-INDUCED THYROID TUMORS. IN STUDY OF "DELAYED EFFECTS OF SCALP X-IRRADIATION" BEING CONDUCTED IN ISRAEL UNDER SFCP RESEARCH AGREEMENT 06-009-3, THYROID CANCER HAS BEEN FOUND ASSOCIATED WITH LOWEST THYROID ABSORBED RADIATION DOSE YET REPORTED (6.5 RAD). ESTIMATED RISKS OF THYROID TUMOR INDUCTION HAVE BEEN ONLY MINIMAL ESTIMATES BECAUSE METHODOLOGY OF STUDY DID NOT PERMIT COMPLETE ASCERTAINMENT OF MALIGNANT TUMORS OR IDENTIFICATION OF BENIGN NEOPLASMS. PROPOSED STUDY WILL HELP TO OBTAIN AS FULL AN ACCOUNT AS POSSIBLE OF THYROID ONCOGENESIS IN STUDY POPULATION AND THUS MAKE POSSIBLE MORE PRECISE RISK ESTIMATES. UNCLASSIFIED

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3. STUDY POPULATION CONSISTS OF 10,902 IRRADIATED CASES, 10,902 POPULATION CONTROLS AND 5,496 SIBLING CONTROLS. IRRADIATION WAS PERFORMED DURING THE YEARS 1949-1960. MALIGNANT THYROID TUMORS WERE IDENTIFIED THROUGH CENTRAL ISRAELI TUMOR REGISTRY AND THE DEATH CERTIFICATES FILE FOR PERIOD 1960-1972.

## 4. PROPOSED STUDY WILL INVOLVE:

ASCERTAINMENT OF THYROID TUMOR CASES IN STUDY POPULATION SHALL BE COMPLETED BY SCREENING ALL OPERATING ROOM RECORDS OF ALL HOSPITALS FOR DIAGNOSED CASES OF - THYROID CANCER DURING THE PERIOD 1950-1959, AND AFTER 1972.

- BENIGN THYROID TUMORS SINCE 1950, A FOLLOWUP PERIOD OF ABOUT 25 YEARS.

ALL TUMOR CASES CHALL BE CHARACTERIZED AS TO IRRADIATION OR CONTROL STATUS, SEX, YEAR OF BIRTH, DATE OF IRRADIATION, AGE OF IRRADIATION, PLACE OF IRRADIATION, NUMBER OF IRRADIATIONS, COUNTRY OF ORIGIN, DATE OF IMMIGRATION, DATE OF DIAGNOSIS, HOSPITAL, HISTOLOGIC DIAGNOSIS, DATE AND CAUSES OF DEATH.

5. FDA WOULD APPRECIATE LEARNING IF POST SEES ANY OBJECTIONS TO THE PROPOSED STUDY AND ADVISE ASAP AS FDA WISHES FUND STUDY THIS FISCAL YEAR. KISSINGER

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